AMENDMENT TO THE CLAIMS

1. (Currently Amended) printing ink, at least comprising at least one solvent or a mixture of various solvents, at least one colorant, at least one polymeric binder, and also one or more additives, wherein at least one of the additives is a cyclohexanepolycarboxylic acid derivative and wherein the at least one cyclohexanepolycarboxylic acid derivative is selected from the group consisting of ring-hydrogenated mono- and dialkyl esters of phthalic acid, isophthalic acid and terephthalic acid, ring-hydrogenated monoalkyl ester of trimellitic acid, dialkyl ester of trimellitic acid, trialkyl ester of trimellitic acid, trimesic acid and hemimellitic acid, ring-hydrogenated mono-, di-, tri-, and tetraalkyl esters of pyromellitic acid, where the alkyl groups may be linear or branched and in each case have from 1 to 30 carbon atoms, or from the group consisting of two or more of these.

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- 2. (Original) The printing ink according to claim 1, which is a packaging-printing ink.
- 3. (Original) The printing ink according to claim 2, wherein the proportion of the cyclohexanepolycarboxylic acid derivative is from 0.1 to 3% by weight, based on the entirety of all of the constituents of the printing ink.
- 4. (Currently Amended) A printing lacquer, at least comprising at least one solvent or a mixture of various solvents, at least one polymeric binder, and also one or more additives, wherein at least one of the additives is a cyclohexanepolycarboxylic acid derivative and wherein the cyclohexanepolycarboxylic acid derivative is selected from the group consisting of ring-hydrogenated mono- and dialkyl esters of phthalic acid, isophthalic acid and terephthalic acid, ring-hydrogenated monoalkyl ester of trimellitic acid, dialkyl ester of trimellitic acid, trialkyl ester of trimellitic acid, trimesic acid and hemimellitic acid, ring-hydrogenated mono-, di-, tri-, and tetraalkyl esters of pyromellitic acid, where the alkyl groups may be linear or branched and in each case have from 1 to 30 carbon atoms, or from the group consisting of two or more of these.
- 5. (Cancelled)
- 6. (Previously presented) The printing ink according to claim 1, wherein the at least one cyclohexanepolycarboxylic acid derivative is selected from the group consisting of:

mixed esters of cyclohexane-1,2-dicarboxylic acid with C1-C13 alcohols;

di(isopentyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of di(isopentyl) phthalate with the Chemical Abstracts Registry Number (hereinafter: CAS No.) 84777-06-0;

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di(isoheptyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of di(isoheptyl) phthalate with the CAS No. 71888-89-6;

di(isononyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of a di(isononyl) phthalate with the CAS Nr. 68515-48-0;

di(isononyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of a di(isononyl) phthalate with the CAS No. 28553-12-0, based on n-butene;

di(isononyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of a di(isononyl) phthalate with the CAS No. 28553-12-0, based on isobutene;

a 1,2-di-C₉ ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of a di(nonyl) phthalate with the CAS No. 68515-46-8;

a di(isodecyl) ester of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of a di(isodecyl) phthalate with the CAS No. 68515-49-1;

a 1,2-di-C₇₋₁₁ ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of the corresponding ester of phthalic acid with the CAS No. 68515-42-4;

a 1,2-di- C_{7-11} ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of di- C_{7-11} phthalates with the following CAS Nos.

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111 381-89-6,

111 381 90-9,

111 381 91-0,

68515-44-6,

68515-45-7, and

3648-20-7;

a 1,2-di-C₉₋₁₁ ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of a di-C₉₋₁₁ phthalate with the CAS No. 98515-43-5;

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- a 1,2-di(isodecyl) ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of a di(isodecyl) phthalate composed mainly of di(2-propylheptyl) phthalate;
- a 1,2-di-C₇₋₉ ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of the corresponding esters of phthalic acid of the branched-chain or linear C₇₋₉-alkyl ester groups; examples of appropriate phthalates which can be used as starting materials have the following CAS Nos.:

a di-C_{7,9}-alkyl phthalate with the CAS No. 111 381-89-6;

a di-C₇-alkyl phthalate with the CAS No. 68515-44-6; and

a di-C₉-alkyl phthalate with the CAS No. 68515-45-7;

hydrogenation products of mixed phthalates with C₁₀ alcohols and with C₁₃ alcohols;

alkyl esters of cyclohexane-1,2-dicarboxylic acid;

hydrogenation products of benzenecarboxylic esters.

7. (Previously presented) The printing ink according to claim 1, wherein the at least one cyclohexanepolycarboxylic acid derivative is selected from ring-hydrogenated phthalates which derive from an ester mixture which comprises a mixed ester.

8-11. (Cancelled)

12. (Previously presented) A method of use of the printing ink according to claim 1 comprising the step of printing plastics foils or metal foils with said printing ink.

13. (Previously presented) A method of use of the printing lacquer according to claim 4 comprising the step of priming plastics foils or metal foils with said printing lacquer.

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14. (Previously presented) The printing ink according to claim 6, wherein the at least one cyclohexanepolycarboxylic acid derivative is selected from the group consisting of:

monomethyl ester of cyclohexane-1,2-dicarboxylic acid, dimethyl ester of cyclohexane-1,2dicarboxylic acid, diethyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-propyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-butyl ester of cyclohexane-1,2-dicarboxylic acid, di-tertbutyl ester of cyclohexane-1,2-dicarboxylic acid, diisobutyl ester of cyclohexane-1,2dicarboxylic acid, monoglycol ester of cyclohexane-1,2-dicarboxylic acid, diglycol ester of cyclohexane-1,2-dicarboxylic acid, di-n-octyl ester of cyclohexane-1,2-dicarboxylic acid, diisooctyl ester of cyclohexane-1,2-dicarboxylic acid, di-2-ethylhexyl ester of cyclohexane-1,2dicarboxylic acid, di-n-nonyl ester of cyclohexane-1,2-dicarboxylic acid, diisononyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-decyl ester of cyclohexane-1,2-dicarboxylic acid, diisodecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-undecyl ester of cyclohexane-1,2dicarboxylic acid, diisododecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-octadecyl ester of cyclohexane-1,2-dicarboxylic acid, diisooctadecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-eicosyl ester of cyclohexane-1,2-dicarboxylic acid, monocyclohexyl ester of cyclohexane-1,2-dicarboxylic acid, dicyclohexyl ester of cyclohexane-1,2-dicarboxylic acid, diisopropyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-hexyl ester of cyclohexane-1,2-dicarboxylic acid, diisohexyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-heptyl ester of cyclohexane-1,2dicarboxylic acid, diisoheptyl ester of cyclohexane-1,2-dicarboxylic acid, di-2-propylheptyl ester of cyclohexane-1,2-dicarboxylic acid, diisoundecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-dodecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-tridecyl ester of cyclohexane-1,2dicarboxylic acid, diisotridecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-pentyl ester of cyclohexane-1,2-dicarboxylic acid, diisopentyl ester of cyclohexane-1,2-dicarboxylic acid;

hydrogenation products of the benzenecarboxylic esters with the trade names Jayflex DINP (CAS No. 68515-48-0), Jayflex DIDP (CAS No. 68515-49-1), Palatinol 9-P, Vestinol 9 (CAS No. 28553-12-0), TOTM-I (CAS No. 3319-31-1), Linplast 68-TM, Palatinol N (CAS No. 28553-12-0), Jayflex DHP (CAS No. 68515-50-4), Jayflex DIOP

(CAS No. 27554-26-3), Jayflex UDP (CAS No. 68515-47-9), Jayflex DIUP (CAS No. 85507-79-5), Jayflex DTDP (CAS No. 68515-47-9), Jayflex L9P (CAS No. 68515-45-7), Jayflex L911P (CAS No. 68515-43-5), Jayflex L11P (CAS No. 3648-20-2), Witamol 110 (CAS No. 90193-91-2), Witamol 118 (di-n-C₈-C₁₀-alkyl phthalate), Unimoll BB (CAS No. 85-68-7), Linplast 1012 BP (CAS No. 90193-92-3), Linplast 13 XP (CAS No. 27253-26-5), Linplast 610 P (CAS No. 68515-51-5), Linplast 68 FP (CAS No. 68648-93-1) and Linplast 812 HP (CAS No. 70693-30-0), Palatinol AH (CAS No. 117-81-7), Palatinol 711 (CAS No. 68515-42-4), Palatinol 911 (CAS No. 68515-43-5), Palatinol 11 (CAS No. 3648-20-2), Palatinol Z (CAS No. 26761-40-0) and Palatinol DIPP (CAS No. 84777-06-0).

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15. (cancelled)

16. (Previously presented) The printing lacquer according to claim 4, wherein the at least one cyclohexanepolycarboxylic acid derivative is selected from the group consisting of:

mixed esters of cyclohexane-1,2-dicarboxylic acid with C1-C13 alcohols;

di(isopentyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of di(isopentyl) phthalate with the Chemical Abstracts Registry Number (hereinafter: CAS No.) 84777-06-0;

di(isoheptyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of di(isoheptyl) phthalate with the CAS No. 71888-89-6;

di(isononyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of a di(isononyl) phthalate with the CAS Nr. 68515-48-0;

di(isononyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of a di(isononyl) phthalate with the CAS No. 28553-12-0, based on n-butene;

di(isononyl) esters of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of a di(isononyl) phthalate with the CAS No. 28553-12-0, based on isobutene;

a 1,2-di-C₉ ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of a di(nonyl) phthalate with the CAS No. 68515-46-8;

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a di(isodecyl) ester of cyclohexane-1,2-dicarboxylic acid obtainable via hydrogenation of a di(isodecyl) phthalate with the CAS No. 68515-49-1;

a 1,2-di-C₇₋₁₁ ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of the corresponding ester of phthalic acid with the CAS No. 68515-42-4;

a 1,2-di- C_{7-11} ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of di- C_{7-11} phthalates with the following CAS Nos.

111 381-89-6,

111 381 90-9,

111 381 91-0,

68515-44-6,

68515-45-7, and

3648-20-7;

a 1,2-di-C₉₋₁₁ ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of a di-C₉₋₁₁ phthalate with the CAS No. 98515-43-5;

a 1,2-di(isodecyl) ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of a di(isodecyl) phthalate composed mainly of di(2-propylheptyl) phthalate;

a 1,2-di-C₇₋₉ ester of cyclohexanedicarboxylic acid obtainable via hydrogenation of the corresponding esters of phthalic acid of the branched-chain or linear C₇₋₉-alkyl ester groups; examples of appropriate phthalates which can be used as starting materials have the following CAS Nos.:

a di-C_{7.9}-alkyl phthalate with the CAS No. 111 381-89-6;

a di-C7-alkyl phthalate with the CAS No. 68515-44-6; and

a di-C₉-alkyl phthalate with the CAS No. 68515-45-7;

hydrogenation products of mixed phthalates with C₁₀ alcohols and with C₁₃ alcohols;

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alkyl esters of cyclohexane-1,2-dicarboxylic acid, or

hydrogenation products of benzenecarboxylic esters.

- 17. (Previously presented) The printing lacquer-according to claim 4, wherein the at least one cyclohexanepolycarboxylic acid derivative is selected from ring-hydrogenated phthalates which derive from an ester mixture which comprises a mixed ester.
- 18. (Previously presented) The printing lacquer according to claim 16, wherein the at least one cyclohexanepolycarboxylic acid derivative is selected from the group consisting of:

monomethyl ester of cyclohexane-1,2-dicarboxylic acid, dimethyl ester of cyclohexane-1,2dicarboxylic acid, diethyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-propyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-butyl ester of cyclohexane-1,2-dicarboxylic acid, di-tertbutyl ester of cyclohexane-1,2-dicarboxylic acid, diisobutyl ester of cyclohexane-1,2dicarboxylic acid, monoglycol ester of cyclohexane-1,2-dicarboxylic acid, diglycol ester of cyclohexane-1,2-dicarboxylic acid, di-n-octyl ester of cyclohexane-1,2-dicarboxylic acid, diisooctyl ester of cyclohexane-1,2-dicarboxylic acid, di-2-ethylhexyl ester of cyclohexane-1,2dicarboxylic acid, di-n-nonyl ester of cyclohexane-1,2-dicarboxylic acid, diisononyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-decyl ester of cyclohexane-1,2-dicarboxylic acid, diisodecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-undecyl ester of cyclohexane-1,2dicarboxylic acid, diisododecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-octadecyl ester of cyclohexane-1,2-dicarboxylic acid, diisooctadecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-eicosyl ester of cyclohexane-1,2-dicarboxylic acid, monocyclohexyl ester of cyclohexane-1,2-dicarboxylic acid, dicyclohexyl ester of cyclohexane-1,2-dicarboxylic acid, diisopropyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-hexyl ester of cyclohexane-1,2-dicarboxylic acid, diisohexyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-heptyl ester of cyclohexane-1,2-684314

dicarboxylic acid, diisoheptyl ester of cyclohexane-1,2-dicarboxylic acid, di-2-propylheptyl ester of cyclohexane-1,2-dicarboxylic acid, diisoundecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-tridecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-tridecyl ester of cyclohexane-1,2-dicarboxylic acid, diisotridecyl ester of cyclohexane-1,2-dicarboxylic acid, di-n-pentyl ester of cyclohexane-1,2-dicarboxylic acid, diisopentyl ester of cyclohexane-1,2-dicarboxylic acid;

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hydrogenation products of the benzenecarboxylic esters with the trade names Jayflex DINP (CAS No. 68515-48-0), Jayflex DIDP (CAS No. 68515-49-1), Palatinol 9-P, Vestinol 9 (CAS No. 28553-12-0), TOTM-I (CAS No. 3319-31-1), Linplast 68-TM, Palatinol N (CAS No. 28553-12-0), Jayflex DHP (CAS No. 68515-50-4), Jayflex DIOP (CAS No. 27554-26-3), Jayflex UDP (CAS No. 68515-47-9), Jayflex DIUP (CAS No. 85507-79-5), Jayflex DTDP (CAS No. 68515-47-9), Jayflex L9P (CAS No. 68515-45-7), Jayflex L911P (CAS No. 68515-43-5), Jayflex L11P (CAS No. 3648-20-2), Witamol 110 (CAS No. 90193-91-2), Witamol 118 (di-n-C₈-C₁₀-alkyl phthalate), Unimoll BB (CAS No. 85-68-7), Linplast 1012 BP (CAS No. 90193-92-3), Linplast 13 XP (CAS No. 27253-26-5), Linplast 610 P (CAS No. 68515-51-5), Linplast 68 FP (CAS No. 68648-93-1) and Linplast 812 HP (CAS No. 70693-30-0), Palatinol AH (CAS No. 117-81-7), Palatinol 711 (CAS No. 68515-42-4), Palatinol 911 (CAS No. 68515-43-5), Palatinol 11 (CAS No. 3648-20-2), Palatinol Z (CAS No. 26761-40-0) and Palatinol DIPP (CAS No. 84777-06-0).